

ANNUAL INDEX

Volume 9, September 1971—May 1972

AUTHOR INDEX

Abbott, Jane. *Mandala: A Community Workshop*. October 71:12
 Alfke, Dorothy E. *Fuses for "Show" or for "Know."* October 71:20; (Letters) January/February 72:6
 Armiger, Walter H. and Dorothy Elaine Banks. *Investigating Soil*. November 71:17; (Letters) April 72:4
 Banks, Dorothy Elaine and Walter H. Armiger. *Investigating Soil*. November 71:17; (Letters) April 72:4
 Barnard, J. Darrell. *Copes: The New Elementary Science Program*. November 71:9
 Bassett, Gloria and Lloyd M. Bennett. *Games and Things for Preschool Science*. January/February 72:25
 Beebe, Beth. *Horntail*. January/February 72:17
 Bennett, Lloyd M. and Gloria Bassett. *Games and Things for Preschool Science*. January/February 72:25
 Bidlack, Harvey D. *A Novel Flowerpot (Science and Teachers)* October 71:6
 Bitter, Daisy Lee. *Preparation of a Television Series for Teaching Ecology*. May 72:12
 Blanc, Sam S. *Planning a Teaching Unit for the Primary Grades*. April 72:21
 Blough, Glenn O. *Some Observations and Reflections about Science Teaching in the Elementary School*. December 71:9; (Letters) April 72:4
 Boyarsky, William. (Letters) November 71:2
 Branley, Franklyn M. *Astronomy—Part I: The Planets*, November 71:35; *Part II: The Earth-Moon System; Part III: Distance, Time, and Life*. December 71:24
 Brehm, Shirley A. *First Aid for Beginning Science Teaching*. September 71:7; (Letters) December 71:2
 Brock, Judith, John W. Renner, Sue Heath, Mildred Laughlin, and Jo Stevens. *Piaget is Practical*. October 71:23
 Butts, David P. (Letters) September 71:4
 Bybee, Rodger W. *Earth Science with a*

Focus on the Child's Environment. September 71:11; *Creativity, Children, and Elementary Science*. March 72:22
 Calder, Clarence R., Jr. and Herbert G. Tag. *Project Hedgerow*. December 71:14
 Carin, Arthur A. *Let's Have Some Humanistic, Society-Oriented Science Teaching!* October 71:29
 Crawford, Cleo. *The First Ecologists*. March 72:21
 Dawson, Paul Dow. *Reptiles in Your Classroom—Why Not?* April 72:16
 De Vito, Alfred. *Stop, Read & Think*. September 71:20; November 71:34
 Demanche, Sister Edna. *The Caging and Care of Young Octopi*. May 72:16
 Einhellig, Frank A. and Michael D. Watson. *The Life Light*. September 71:19
 Eiss, Albert F. *Individualized Learning*. April 72:9
 Faiella, Peter P. *Succession in Surface Communities*. October 71:16
 Freed, Marlene. (Letters) May 72:3
 Gillen, Jan. *Controversy? or Common Sense?* October 71:27
 Goldberg, Lazer. *A Special Issue on the American Indian*. March 72:9
 Goldsmith, Robert H. *Personal Inquiry Slides*. April 72:20
 Griffith, Gail. *Environmental Studies: A Curriculum for People*. January/February 72:18
 Gurenlian, Alice H. (Letters) April 72:4
 Healer, Cynthia Powell. *"Rent-a-Rat" (Science and Teachers)* April 72:6
 Heath, Sue, John W. Renner, Judith Brock, Mildred Laughlin, and Jo Stevens. *Piaget is Practical*. October 71:23
 Heine, Elaine S. *Graphing Fingers (Science and Teachers)* November 71:7
 Hirsch, Edward. *The Mechanical "Thing."* October 71:36
 Huff, Phyllis. *Observing Peanuts (Science and Teachers)* March 72:6
 Iona, Mario. (Letters) December 71:2; (Letters) January/February 72:6
 Jennings, Margaret and John Nickel.

Sockems Socks It To 'Em in Math-Science. December 71:5; (Letters) April 72:4
 Juneke, Elizabeth. *"The Lady Is Angry Because She Can't Go in the Water Because It's Polluted."* October 71:9
 Kelter, Gerald O. *Range Management: A Student-Centered Inquiry*. March 72:31
 Kent, Calvin A. *The Sioux: Their Dilemma of Economic Development*. March 72:18
 Koran, Jr., John J. *How Can Elementary Students and Teachers Be Models of Scientific Process?* April 72:18
 Laughlin, Mildred, John W. Renner, Judith Brock, Sue Heath, and Jo Stevens. *Piaget is Practical*. October 71:23
 Long, Paul F. *A Sink Full of Salamanders*. October 71:14
 Lovi, George. (Errata) May 72:3
 McGinty, Thomas F. (Letters) April 72:4
 Marean, John H. (Letters) May 72:3
 Miller, John A. and John C. Whitmer. *Films, Frames, and Figures: A Soap Opera*. September 71:15; *A Soap Opera; Act Two (Science and Teachers)* January/February 72:8
 Millward, Robert. *The Dropping Board Technique for Surveying Animal Populations*. April 72:12
 Nickel, John and Margaret Jennings. *Sockems Socks It To 'Em in Math-Science*. December 71:5; (Letters) April 72:4
 Oberlin, Lynn. *Florida's New Elementary Program in Science Education*. November 71:14
 Perkes, Victor A. *The Tyranny of Words—Nonsense, Pseudo-Explanations, and the Stifling of Curiosity*. September 71:17
 Picone, Sister Francis. *A Banana Grows in Brooklyn (Science and Teachers)* March 72:6
 Reed, George. (Letters) November 71:2
 Renner, John W., Judith Brock, Sue Heath, Mildred Laughlin, and Jo

ANNUAL INDEX

Volume 9, September 1971—May 1972

AUTHOR INDEX

- Abbott, Jane. *Mandala: A Community Workshop*. October 71:12
- Alfke, Dorothy E. *Fuses for "Show" or for "Know."* October 71:20; (Letters) January/February 72:6
- Armiger, Walter H. and Dorothy Elaine Banks. *Investigating Soil*. November 71:17; (Letters) April 72:4
- Banks, Dorothy Elaine and Walter H. Armiger. *Investigating Soil*. November 71:17; (Letters) April 72:4
- Barnard, J. Darrell. *Copes: The New Elementary Science Program*. November 71:9
- Bassett, Gloria and Lloyd M. Bennett. *Games and Things for Preschool Science*. January/February 72:25
- Beebe, Beth. *Horntail*. January/February 72:17
- Bennett, Lloyd M. and Gloria Bassett. *Games and Things for Preschool Science*. January/February 72:25
- Bidlack, Harvey D. *A Novel Flowerpot (Science and Teachers)* October 71:6
- Bitter, Daisy Lee. *Preparation of a Television Series for Teaching Ecology*. May 72:12
- Blanc, Sam S. *Planning a Teaching Unit for the Primary Grades*. April 72:21
- Blough, Glenn O. *Some Observations and Reflections about Science Teaching in the Elementary School*. December 71:9; (Letters) April 72:4
- Boyersky, William. (Letters) November 71:2
- Branley, Franklyn M. *Astronomy—Part I: The Planets*, November 71:35; *Part II: The Earth-Moon System; Part III: Distance, Time, and Life*. December 71:24
- Brehm, Shirley A. *First Aid for Beginning Science Teaching*. September 71:7; (Letters) December 71:2
- Brock, Judith, John W. Renner, Sue Heath, Mildred Laughlin, and Jo Stevens. *Piaget is Practical*. October 71:23
- Butts, David P. (Letters) September 71:4
- Bybee, Rodger W. *Earth Science with a Focus on the Child's Environment*. September 71:11; *Creativity, Children, and Elementary Science*. March 72:22
- Calder, Clarence R., Jr. and Herbert G. Tag. *Project Hedgerow*. December 71:14
- Carin, Arthur A. *Let's Have Some Humanistic, Society-Oriented Science Teaching!* October 71:29
- Crawford, Cleo. *The First Ecologists*. March 72:21
- Dawson, Paul Dow. *Reptiles in Your Classroom—Why Not?* April 72:16
- De Vito, Alfred. *Stop, Read & Think*. September 71:20; November 71:34
- Demanche, Sister Edna. *The Caging and Care of Young Octopi*. May 72:16
- Einhellig, Frank A. and Michael D. Watson. *The Life Light*. September 71:19
- Eiss, Albert F. *Individualized Learning*. April 72:9
- Faiella, Peter P. *Succession in Surface Communities*. October 71:16
- Freed, Marlene. (Letters) May 72:3
- Gillen, Jan. *Controversy? or Common Sense?* October 71:27
- Goldberg, Lazer. *A Special Issue on the American Indian*. March 72:9
- Goldsmith, Robert H. *Personal Inquiry Slides*. April 72:20
- Griffith, Gail. *Environmental Studies: A Curriculum for People*. January/February 72:18
- Gurenlian, Alice H. (Letters) April 72:4
- Healer, Cynthia Powell. *"Rent-a-Rat" (Science and Teachers)* April 72:6
- Heath, Sue, John W. Renner, Judith Brock, Mildred Laughlin, and Jo Stevens. *Piaget is Practical*. October 71:23
- Heine, Elaine S. *Graphing Fingers (Science and Teachers)* November 71:7
- Hirsch, Edward. *The Mechanical "Thing."* October 71:36
- Huff, Phyllis. *Observing Peanuts (Science and Teachers)* March 72:6
- Iona, Mario. (Letters) December 71:2; (Letters) January/February 72:6
- Jennings, Margaret and John Nickel. *Sockems Socks It To 'Em in Math-Science*. December 71:5; (Letters) April 72:4
- June, Elizabeth. *"The Lady Is Angry Because She Can't Go in the Water Because It's Polluted."* October 71:9
- Kelver, Gerald O. *Range Management: A Student-Centered Inquiry*. March 72:31
- Kent, Calvin A. *The Sioux: Their Dilemma of Economic Development*. March 72:18
- Koran, Jr., John J. *How Can Elementary Students and Teachers Be Models of Scientific Process?* April 72:18
- Laughlin, Mildred, John W. Renner, Judith Brock, Sue Heath, and Jo Stevens. *Piaget is Practical*. October 71:23
- Long, Paul F. *A Sink Full of Salamanders*. October 71:14
- Lovi, George. (Errata) May 72:3
- McGinty, Thomas F. (Letters) April 72:4
- Marean, John H. (Letters) May 72:3
- Miller, John A. and John C. Whitmer. *Films, Frames, and Figures: A Soap Opera*. September 71:15; *A Soap Opera; Act Two (Science and Teachers)* January/February 72:8
- Millward, Robert. *The Dropping Board Technique for Surveying Animal Populations*. April 72:12
- Nickel, John and Margaret Jennings. *Sockems Socks It To 'Em in Math-Science*. December 71:5; (Letters) April 72:4
- Oberlin, Lynn. *Florida's New Elementary Program in Science Education*. November 71:14
- Perkes, Victor A. *The Tyranny of Words—Nonsense, Pseudo-Explanations, and the Stifling of Curiosity*. September 71:17
- Picone, Sister Francis. *A Banana Grows in Brooklyn (Science and Teachers)* March 72:6
- Reed, George. (Letters) November 71:2
- Renner, John W., Judith Brock, Sue Heath, Mildred Laughlin, and Jo

Stevens, Piaget is Practical. October 71:23

Rice, Charles, III. *Parallax: A Method for Measuring Distances to Planets and Stars*. November 71:27; (Letters) May 72:3

Robarge, Thomas J. *Educational Recreation*. November 71:24

Rock, Phyllis. (Letters) September 71:4

Roebuck, Reba. *How To Get Started in Science?* (Science and Teachers) September 71:5

Rose, Ryda D. (Letters) April 72:4; *Lollipops and Things* (Science and Teachers) May 72:4

Schultz, Beth. *Ecology—Part I: The Definition, Part II: Ecology for the Child*. September 71:27

Schumann, Donna N. *Let's Do Something About the Weather*. November 71:12; *Making Latex Models of Mushrooms*. May 72:15

Slesnick, Irwin and John Whitmer. *Phenomena for Inquiry*. October 71:22; November 71:21; December 71:16; January/February 72:34; March 72:27; April 72:25; May 72:18

Sollimine, Alexander A., Jr. *Wilderness Camping* (Science and Teachers) October 71:6

Stehney, Virginia A. *Looking for Animal Homes in the Woods*. May 72:5

Stevens, Jo, John W. Renner, Judith Brock, Sue Heath, and Mildred Laughlin. *Piaget is Practical*. October 71:23

Streng, Evelyn. (Letters) April 72:4

Swetz, Frank J. *Children's Picture Books in the People's Republic of China*. December 71:11

Tag, Herbert G. and Clarence R. Calder, Jr. *Project Hedgerow*. December 71:14

Trojcek, Doris A. *A New View on Sawing Logs: Log Puzzles*. May 72:11

Trojcek, Doris A. *Who's Responsible?* January/February 72:28; (Letters) April 72:4

Tucker, Babe. (Letters) September 71:4

Turner, Grace. *Goldenrod Kites* (Science and Teachers) May 72:4

Van Deusen, Roswell D. *Swan for Your School Pond*. January/February 72:13

Victor, Robert C. *Sky Calendar*. September 71:24; October 71:18; November 71:22; December 71:17; January/February 72:32; March 72:28; April 72:26; May 72:19; (Letters) January/February 72:6

Vogel, Virgil J. *American Indian Ways in Medicine*. March 72:14

Walker, Margaret. *Stereo Comes to Kindergarten* (Science and Teachers) December 71:4

Walters, Lou. *Elementary School Science Facilities*. May 72:8

Warren, Glenda. *Nutrition and the Senses*. January/February 72:22

Waters, Barbara S. (Letter) January/February 72:6

Watson, Michael D. and Frank A. Einhellig. *The Life Light*. September 71:19

Webster, Loraine. *Indian Studies with an Emphasis on Science*. March 72:11

Whitmer, John and Irwin Slesnick. *Phenomena for Inquiry*. October 71:22; November 71:21; December 71:16; January/February 72:34; March 72:27; April 72:25; May 72:18

Whitmer, John C. and John A. Miller. *Films, Frames, and Figures: A Soap*

Opera. September 71:15; *A Soap Opera: Act Two* (Science and Teachers) January/February 72:8

Zeldin, Marvin. *A Quiz for Environmental Educators* (Editorial) January/February 72:10

SUBJECT INDEX

Biology

(Including Environmental Education)

American Indian Ways in Medicine. Virgil J. Vogel. March 72:14

Banana Grows in Brooklyn. A. Sister Francis Picone. March 72:6

Dropping Board Technique for Surveying Animal Populations. The. Robert Millward. April 72:12

Ecology—Part I: The Definition, Part II: Ecology for the Child. Beth Schultz. September 71:27

Environmental Studies: A Curriculum for People. Gail Griffith. January/February 72:18

First Ecologists. The. Cleo Crawford. March 72:21

Hornail. Beth Beebe. January/February 72:17

"Lady Is Angry Because She Can't Go in the Water Because It's Polluted, The." Elizabeth June. October 71:9

Life Light. The. Michael D. Watson and Frank A. Einhellig. September 71:19

No Space for Soil. January/February 72:30

Novel Flowerpot. A. Harvey D. Bidlack. October 71:6

Nutrition and the Senses. Glenda Warren. January/February 72:22

Observing Peanuts. Phyllis Huff. March 72:6

Project Hedgerow. Clarence R. Calder, Jr. and Herbert G. Tag. December 71:14

Quiz for Environmental Educators. A. (Editorial) Marvin Zeldin. January/February 72:10

Range Management: A Student-Centered Inquiry. Gerald O. Kever. March 72:31

Rent-a-Rat. Cynthia Powell Healer. April 72:6

Reptiles in Your Classroom—Why Not? Paul Dow Dawson. April 72:16

Sink Full of Salamanders. A. Paul F. Long. October 71:14

Succession in Surface Communities. Peter P. Faiella. October 71:16

Swan for Your School Pond. Roswell D. Van Deusen. January/February 72:13

Earth Science

(Meteorology, Geology, Oceanography, Astronomy)

Astronomy—Part I: The Planets; November 71:35; Part II: The Earth-Moon System; Part III: Distance, Time, and Life. Franklyn M. Branley. December 71:24

Earth Science with a Focus on the Child's Environment. Rodger W. Bybee. September 71:11

Investigating Soil. Dorothy Elaine Banks and Walter H. Armiger. November 71:17; (Letters) April 72:4

Let's Do Something About the Weather. Donna N. Schumann. November 71:12

Parallax: A Method for Measuring Distances to Planets and Stars. Charles Rice, III. November 71:27

Sky Calendar. Robert C. Victor. September 71:24; October 71:18; November 71:22; December 71:17; January/February 72:32; March 72:28; April 72:26; May 72:19; (Letters) January/February 72:6

What Was the Star of Bethlehem? December 71:20

NSTA and CESI Activities

Area Conventions, 1972. April 72:7; May 72:27

Board of Directors 1971 Annual Business Meeting. October 71:4

Call for Entries: STAR and Ohaus Awards. October 71:2

CESI News. November 71:4; March 72:30; May 72:25

Changes on the S&C Masthead. September 71:2

Convention 1972. October 71:33; November 71:30; December 71:21; May 72:23

Convention 1973. April 72:2

Dues and Subscription Rates Change. October 71:2

Election Results, 1972. May 72:2

Elementary School Science at the NSTA Convention. January/February 72:35

Holiday Tour or, Haggis, Anyone? September 71:3

How-To Pamphlet. September 71:3

INFORM Series of Convention Tapes Available. March 72:2

International Conference on Integrated Science. March 72:2

New Publication. May 72:2

Nominations for NSTA Officers. January/February 72:2

OCESS Conference. March 72:2

Regional Conferences 1971. September 71:22

S&C and TST Honored. September 71:2

Symposia '72: Cancelled. April 72:2

Wanted: Evaluators. January/February 72:2

Physics and Chemistry

Films, Frames, and Figures: A Soap Opera. John C. Whitmer and John A. Miller. September 71:15; *A Soap Opera: Act Two* (Science and Teachers) January/February 72:8

Fuses for "Show" or for "Know". Dorothy E. Alfke. October 71:20; (Letters) January/February 72:6

Mechanical "Thing". The. Edward Hirsch. October 71:36

Parallax: A Method for Measuring Distances to Planets and Stars. Charles Rice, III. November 71:27; (Letters) May 72:3

Stereo Comes to Kindergarten. Margaret Walker. December 71:4

Programs, Facilities, and Resource Material

Ad-availables. September 71:6; October 71:11; November 71:29; December 71:13; January/February 72:27; March 72:30; April 72:8; May 72:26

Children's Picture Books in the People's Republic of China. Frank J. Swetz. December 71:11

COPEs: The New Elementary Science Program. J. Darrell Barnard. November 71:9

Environmental Studies: A Curriculum for People. Gail Griffith. January/February 72:18

First Aid for Beginning Science Teaching. Shirley A. Brehm. September 71:7; (Letters) December 71:2

Florida's New Elementary Program in Science Education. Lynn Oberlin. November 71:14

Graphing Fingers. Elaine S. Heine. November 71:7

Letters. September 71:4; November 71:2; December 71:2; January/February 72:6; April 72:4

Mandala: A Community Workshop. Jane Abbott. October 71:12

No Space for Soil. January/February 72:30

Personal Inquiry Slides. Robert H. Goldsmith. April 72:20

Phenomena for Inquiry. John Whitmer and Irwin Slesnick. October 71:22; November 71:21; December 71:16; January/February 72:34; March 72:27; April 72:25; May 72:18

Resources Reviews. September 71:34; October 71:38; November 71:42; December 71:33; January/February 72:41; March 72:33; April 72:28; May 72:28

Science and Teachers. September 71:5; October 71:6; November 71:7; December 71:4; January/February 72:8; March 72:6; April 72:6; May 72:4

Sockems Socks It To 'Em in Math-Science. John Nickel and Margaret Jennings. December 71:5 (Letters) April 72:4

Sources of Further Information. March 72:20

Stop, Read & Think. Alfred De Vito. September 71:20; November 71:34

Tipi. March 72:13

Wilderness Camping. Alexander A. Solimine, Jr. October 71:6

Science Education

Caging and Care of Young Octopi, The. Sister Edna Demanche. May 72:16

Controversy? or Common Sense? Jan Gillen. October 71:27

Creativity, Children, and Elementary Science. Rodger W. Bybee. March 72:22

Educational Recreation. Thomas J. Robarge. November 71:24

First Aid for Beginning Science Teaching. Shirley A. Brehm. September 71:7; (Letters) December 71:2

Games and Things for Preschool Science. Lloyd M. Bennett and Gloria Bassett. January/February 72:25; (Letters) May 72:3

How Can Elementary Students and Teachers Be Models of Scientific Process? John J. Koran, Jr. April 72:18

How Do You Get Started in Science? Reba Roebuck. September 71:5

Indian Studies with an Emphasis on Science. Loraine Webster. March 72:11

Individualized Learning. Albert F. Eiss. April 72:9

Let's Have Some Humanistic, Society-Oriented Science Teaching! Arthur A. Carin. October 71:29

NEA Resolution on American Indian Education, The. March 72:20

Piaget is Practical. John W. Renner, Judith Brock, Sue Heath, Mildred Laughlin, and Jo Stevens. October 71:23

Planning a Teaching Unit for the Primary Grades. Sam S. Blanc. April 72:21

Sioux: Their Dilemma of Economic Development, The. Calvin A. Kent. March 72:18

Some Observations and Reflections About Science Teaching in the Elementary School. Glenn O. Blough. December 71:9; (Letters) April 72:4

Special Issue on the American Indian, A. Lazer Goldberg. March 72:9

Tyranny of Words—Nonsense, Pseudo-Explanations, and the Stifling of Curiosity, The. Victor A. Perkes. September 71:17

Who's Responsible? Doris A. Trojcek. January/February 72:28; (Letters) April 72:4

Index of Advertisers

Bioscope Manufacturing Company 36
Jewel Industries Inc. 31
Little, Brown, and Company 33
MINE Publications 32
National Science Teachers Association Cover III, Cover IV
NASCO 36

Nasco-Guard* preserved specimens



★ ODORLESS ★ NONTOXIC
★ DISSECTABLE

Remarkable new Nasco-Guard preserved specimens put the odor and irritation of formaldehyde completely out of the picture. For a free specimen frog, and a catalog with hundreds of other ideas for making education more rewarding for students and teachers, write Nasco, Dept. K, today.

*Patent Number 3,573,082

Nasco

Fort Atkinson, Wisconsin 53538
or, Modesto, California 95352



Sensational New MODEL 500 BIOSCOPE MICRO-PROJECTOR

QUARTZ IODINE LIGHTING SYSTEM

gives 100% more light and 70° less heat on the specimen.

- Microscope type triple nose-piece with 10X, 20X and 30X achromatic and coated objectives.
- 10X Eyepiece and special 4X projection ocular.
- Quartz Iodine Lamp, GE EKL-150 Watts, 21 Volts.
- 43X, 60X and even 100X objectives may be used on this instrument under proper conditions.
- Fine rack and pinion adjustment with knobs on both sides.
- Lifetime luggage type carrying case. Made of beautiful and indestructible high impact Kydex.

For complete information, write:

BIOSCOPE
MANUFACTURING COMPANY
BOX 1492
TULSA, OKLA 74101

